

Title (en)
MANAGEMENT OF A NUMBER OF ACTIVE POWER CELLS OF A VARIABLE SPEED DRIVE

Title (de)
STEUERUNG EINER ANZAHL VON AKTIVEN LEISTUNGSZELLEN EINES DREHZAHLSREGLERS

Title (fr)
GESTION DE NOMBRE DE CELLULES DE PUISSANCE ACTIVES D'UN VARIATEUR DE VITESSE

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Application
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Abstract (en)
[origin: CN111327251A] The invention relates to a method for controlling a variable speed drive supplying power to an electric motor, the variable speed drive comprising a plurality of at least Ni low-voltage power cells connected in series. The method comprises: upon reception of a speed command, determining a number Mi of cells sufficient to supply power to the motor at a target voltage V that is determined based on the speed command; and activating the Mi power cells from among the Ni power cells, and deactivating the Ni-Mi other power cells in order to supply power to the motor in accordance with the speed command.

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